ORIGINAL COURSE IMPLEMENTATION DATE:	September 1999
REVISED COURSE IMPLEMENTATION DATE:	September 2022
COURSE TO BE REVIEWED (six years after UEC approval)**:**	January 2028

Course outline form version: 05/18/2018

OFFICIAL UNDERGRADUATE COURSE OUTLINE FORM

Note: The University reserves the right to amend course outlines as needed without notice.

Course Code and Number: BIO 330

Number of Credits: 4 Course credit policy (105)

Course Full Title: Plants and Animals of British Columbia

Course Short Title: Plants and Animals of BC

(Transcripts only display 30 characters. Departments may recommend a short title if one is needed. If left blank, one will be assigned.)

Faculty: Faculty of Science

Department (or program if no department): Biology

Calendar Description:

An introduction to some of the most common species of plants, birds, and mammals of British Columbia. Through lecture and laboratory experience, students will learn systematic identification of major families of organisms. The ecology and distribution of organisms will be discussed in the context of the Biogeoclimatic Ecosystem Classification system currently used in British Columbia.

Prerequisites (or NONE): 60 university-level credits, including BIO 210.

Corequisites (if applicable, or NONE):

Pre/corequisites (if applicable, or NONE):

Antirequisite Courses *(Cannot be taken for additional credit.)*

Former course code/number:

Cross-listed with:

Dual-listed with:

Equivalent course(s):

(If offered in the previous five years, antirequisite course(s) will be included in the calendar description as a note that students with credit for the antirequisite course(s) cannot take this course for further credit.)

Typical Structure of Instructional Hours

Lecture/seminar hours	45
Tutorials/workshops	
Supervised laboratory hours	45
Experiential (field experience, practicum, internship, etc.)	
Supervised online activities	
Other contact hours:	
Total hours	**90**

Labs to be scheduled independent of lecture hours: ☐ No ☒ Yes

Special Topics *(Double-click on boxes to select.)*

This course is offered with different topics:

☒ No ☐ Yes *(If yes, topic will be recorded when offered.)*

Independent Study

If offered as an Independent Study course, this course may be repeated for further credit: *(If yes, topic will be recorded.)*

☒ No ☐ Yes, repeat(s) ☐ Yes, no limit

Transfer Credit

Transfer credit already exists: *(See **bctransferguide.ca**.)*

☒ No ☐ Yes

Submit outline for (re)articulation:

☒ No ☐ Yes *(If yes, fill in transfer credit form.)*

Grading System

☒ Letter Grades ☐ Credit/No Credit

Maximum enrolment (for information only): 24

Expected Frequency of Course Offerings:

Annually *(Every semester, Fall only, annually, etc.)*

Department / Program Head or Director: Gregory Schmaltz	**Date of meeting:**	October 1, 2021
Faculty Council approval	**Date of meeting:**	November 5, 2021
Undergraduate Education Committee (UEC) approval	**Date of meeting:**	January 28, 2022

Learning Outcomes:

Upon successful completion of this course, students will be able to:

1. Apply various methods to identify the common animal and plant families of British Columbia using correct scientific and common names.
2. Integrate Indigenous terminology for plant and animal names and uses.
3. Describe the biogeoclimatic zones of BC.
4. Relate the biodiversity to Indigenous, cultural, and artistic interpretations.
5. Relate distribution of organisms to the characteristics of the biogeoclimatic zones in which they occur.

Prior Learning Assessment and Recognition (PLAR)

☒ Yes ☐ No, PLAR cannot be awarded for this course because

Typical Instructional Methods *(Guest lecturers, presentations, online instruction, field trips, etc.; may vary at department's discretion.)*

The course will consist of a series of lectures, laboratory exercises, demonstrations, small group practice, and class discussion. For some aspects of the course audio-visual presentations, photographs, drawings, herbarioum samples, and museum specimens will be used. An introduction of First Nations terminology and names will be presented throughout the course.

NOTE: The following sections may vary by instructor. Please see course syllabus available from the instructor.

Typical Text(s) and Resource Materials *(If more space is required, download Supplemental Texts and Resource Materials form.)*

	Author (surname, initials)	Title (article, book, journal, etc.)	Current ed.	Publisher	Year
1.	Varner, C	Flora and Fauna of Coastal British Columbia	☒	Heritage Publishers	2015
2.	Cannings, R & Cannings, S	British Columbia A natural history	☒	Greystone Books	2015

Required Additional Supplies and Materials *(Software, hardware, tools, specialized clothing, etc.)*

Typical Evaluation Methods and Weighting

Final exam:	25%	Assignments:	%	Group BEC field work:	%	Animal Portfolio:	20%
Midterm exam:	10%	Herbarium project:	20%	Group BEC presentation:	%	Other:	%
Quizzes/tests:		Lab exam:	25%	Shop work:	%	Total:	100%

Details (if necessary):

Typical Course Content and Topics

Introduction to the biogeoclimatic zones and basic plant ID
Indigenous use of plants and Indigenous methods of ecology
Coastal biogeoclimatic zones
Cetaceans
Mountains of the coast
Small mammals of BC
Inland grassland
Ungulates
Boreal and tundra
Wolves and bears
Alpine biogeoclimatic
Birds of BC

Laboratory schedule
Lab 1: Broadleaf plants of BC
Lab 2: Conifers of BC
Lab 3: Flowers of BC Alpine and coastal
Lab 4: Flowers of BC Alpine and coastal
Lab 5: Lichens and DNA identification
Lab Module quiz 1: Plants of BC
Lab 6: Cetaceans ID
Lab 7: Skulls ID and Small MammalsLab 8 Ungulates ID
Lab 9: Bears and wolves ID
Lab 10: Birds of BC
Lab 11: review lab
Lab Module quiz 2: Animals of BC